



Local Coastal Program Planning Grants Application Form

GENERAL INSTRUCTIONS

Click in the shaded text fields to enter text, numbers and dates. The fields will expand to accommodate the data. Press the tab key to move between fields. Please note that the entire grant application will be public record upon submittal.

Applications are due July 7, 2014. Application packets must be RECEIVED by 5pm July 7, 2014. Proposals must be emailed or mailed; faxed responses will not be considered. Applications will not be deemed complete until an adopted resolution is received for each grant program. **Applications that do not contain the final, adopted resolution(s) by July 7, 2014 will not be considered for funding.** The Coastal Commission and Ocean Protection Council are expected to award grants in early fall 2014.

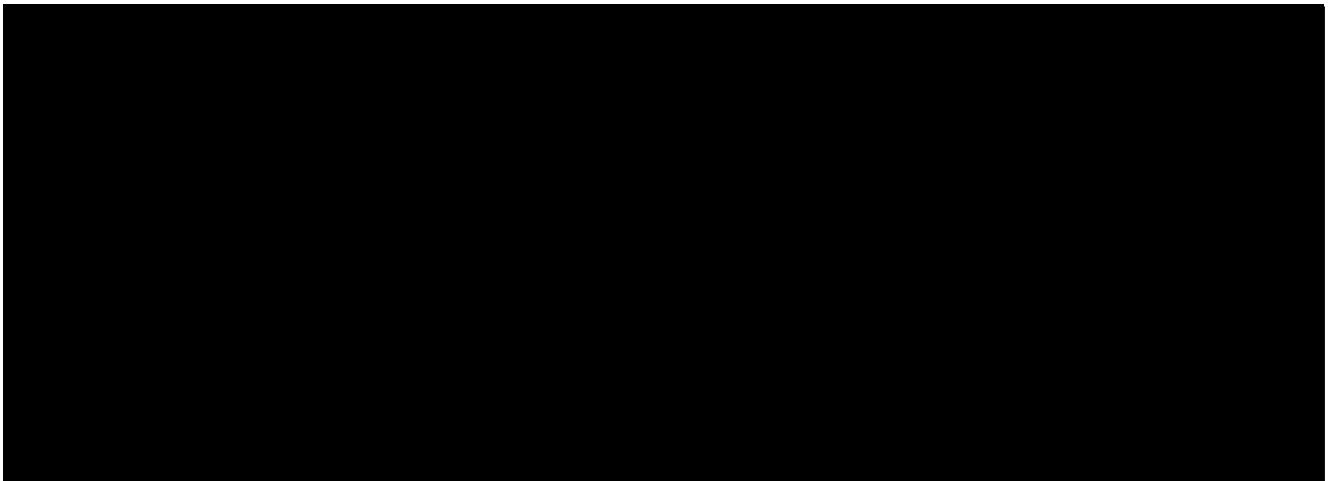
APPLICANT INFORMATION

Indicate which grant programs you are applying for (can be one or both).

☐ OPC LCP Sea-Level Rise Grant

☒ Coastal Commission LCP Planning Grant

Applicant name (organization): County of Santa Barbara



PROJECT INFORMATION

Project title (start with name of city or county): County of Santa Barbara Coastal Hazards LCP
Amendment

LCP/ LCP Segment: County of Santa Barbara Local Coastal Program

Project location: City / Geographic area: County-wide

County: Santa Barbara

Project timeline: Start date: 7/1/2015

End date: 6/30/2017

Amount of Grant Proposal: \$64,000.00 (see budget below)

MAPS AND PHOTOS

Applications must include one map showing the planning area for the project. Additional photos or maps may be included as attachments if needed to illustrate the proposed project. Please note: any photos and maps you submit are subject to the unqualified and unconditional right of the State of California to use, reproduce, publish, or display, free of charge. Please indicate if crediting is requested for the photos and/or maps.

APPLICATION MATERIALS

1. **A PROJECT DESCRIPTION.** Provide a clear description of the proposed project. This section should be no more than 5 pages in 12 point font, single-spaced, and should include the following:
 - a. **Goals and objectives:** Describe the specific project goals and objectives to be achieved. Goals and objectives should be specific for each year of the work plan presented. Recipients will be required to submit progress reports in which progress against these goals and objectives will be reported. Include a description of how you will accomplish each objective, and how your objectives will accomplish your goals.
 - b. **Approach:** Identify specific tasks to be accomplished; explain the technical approach needed to accomplish the tasks; identify the roles of partners and cooperators; and identify potential obstacles to successful completion of the goals and objectives. Describe how stakeholders will be involved in the planning or assessment process. If the project includes partners, the roles and responsibilities of the partners must be clearly identified.
2. **A WORK PROGRAM AND SCHEDULE.** Provide a work program and schedule for implementation of the project, including anticipated benchmarks for LCP or LCP amendment development and review for the project, using the template provided below. For work to be reimbursed using funds from the grant program, the start date must be after authorization is granted after execution of a grant agreement, which will likely be in April 2015 for grants from the OPC and February 2015 for grants from the Commission. For the proposals seeking funding from OPC, all work must be completed by June 30, 2017. For proposals seeking funding from Coastal Commission, work must be completed within two years of the grant agreement start date.

SCHEDULEProposed starting date: 7/1/2015Estimated completion: 6/30/2017**WORK PROGRAM**

<i>County of Santa Barbara Coastal Hazard LCP Amendment</i>	Complete Date: <i>6/30/2017</i>
Task 1. Community Stakeholder Meeting and Workshops	Projected start/end dates: August 2015/December 2015
1.1 Identify Stakeholders	Projected start/end dates: August 2015
1.2 Hold Initial Workshop and Follow-up workshops to develop new and enhance existing coastal hazard policies and adaptation strategies	Projected start/end dates: September 2015/November 2015
Outcome – Report on Stakeholder Input	Projected complete date: December 31, 2015
Task 2. LCP Amendment and Decisions Maker Hearing	Projected start/end dates: November 2015/July 2016
2.1 Review existing coastal development and adaptation strategies	Projected start/end dates: November 2015
2.2 Update LCP by creating new and enhancing existing coastal hazard policies and adaptation strategies	Projected start/end dates: December 2015/January 2016
2.3 Environmental review	Projected start/end dates: February 2016/April 2016
2.4 Present Coastal Hazards LCP Amendment to the Planning Commission	Projected start/end dates: April 2016/May 2016
2.5 Present Coastal Hazards LCP Amendment to the Board of Supervisors	Projected start/end dates: May 2016/July 2016
Outcome/Deliverables – Board of Supervisors resolution	Projected complete date: July 31, 2016
Task 3. Coastal Hazard Amendments Certification	Projected start/end dates: August 2016/June 2017
3.1 Submit Coastal Hazards LCP Amendment to Coastal Commission Staff	Projected start/end dates: August 2016
3.2 Coordination with Coastal Commission staff prior to Coastal Commission Hearing	Projected start/end dates: August 2016/February 2017
3.3 Present Coastal Commission Recommendations for the Coastal Hazard LCP Amendment to the Board of Supervisors for Approval	Projected start/end dates: March 2017/May 2017
3.4 Incorporate Adopted Coastal Hazard	Projected start/end dates: May

Amendments in the County LCP	2017/June 2017
Outcome – Certified Coastal Hazard LCP Amendment	Projected complete date: June 30, 2017

Please list (1) all significant and pertinent project benchmarks related to the project for which funds are being requested, (2) expected dates for reaching or completing those steps. These will be used in monitoring grant progress and in grant reporting under approved grant agreement.

BENCHMARK SCHEDULE

ACTIVITY	COMPLETION DATE
Community Stakeholder Workshops	December 31, 2015
Board of Supervisors Hearing	July 31, 2016
Coastal Commission Certification	June 30, 2017

- 3. A BUDGET.** Please provide a proposed budget, including the funding request, total project cost, estimated costs per task, funding sources, and in-kind services.

APPLICATION BUDGET INFORMATION

Funding Request: \$64,000.00

Total Project Cost: \$80,000.00

If multiple funding sources are being used, in the funding sources matrix below, list the major tasks of the proposed project and indicate the estimated cost of each, including the source of funding for each task. These tasks should correlate with your overall Work Program. An example follows the matrix. Note that in-kind services are covered separately below.

PROJECT FUNDING SOURCES (INSERT ADDITIONAL COLUMNS AS NEEDED)

Double-click on table to edit in Excel.

LCP Planning Grants Application Form FY 14-15

Task Number	Task Name	Total Cost	Allocation of total cost among all funding sources			
			Applicant's Funding	LCP Grant Funding	OPC SLR Grant Funding	Other Funds (define below)
1	Community Stakeholder Workshops	\$3,500		\$3,500		
2	LCP Amendment + Decision Maker Hearings	\$58,000	\$8,000	\$52,000		
3	Adopt Coastal Hazard Amendments Into LCP	\$18,500	\$8,000	\$8,500		
TOTAL		\$80,000	\$16,000	\$64,000	\$0	\$0

OTHER FUNDING SOURCES (NOT INCLUDING IN-KIND SERVICES)

Double-click on table to edit in Excel.

Source of funds	\$ Amount	Status (Committed, Applied, etc)
County of Santa Barbara General Fund	16,000	Applied
TOTAL	\$ 16,000	

In-kind Services: \$0

In-kind services or contributions include staff time, volunteer time and materials contributed to the project. Please describe and estimate value, and differentiate between expected in-kind contributions and contributions (work or other types of contributions) already obtained/completed.

Additional community partners will be identified and solicited to provide further in-kind services (e.g., meeting facilities, workshop materials, advertising, etc). Some of the staff support and technological infrastructure is associated with Phase I of the Santa Barbara County Coastal Resiliency Project.

BUDGET SUMMARY

Grant Application Budget Form

Please use the following form to fill in your estimated budget. Double click on the table to open in excel. Fill in the fields shaded in blue.

LCP Planning Grants Application Form FY 14-15

	Applicant's Funding	CCC Grant Funding	OPC Grant Funding	Other Funds
Personnel				
Salaries and wages ¹	\$ 8,800.00	\$ 38,400.00		
Benefits ²	\$ 7,200.00	\$ 25,600.00		
<i>Total Personnel</i>	\$ 16,000.00	\$ 64,000.00	\$ -	\$ -
Consultants³				
Subcontractor A				
Subcontractor B (etc.)				
Total Consultants	\$ -	\$ -	\$ -	\$ -
Operating Expenses				
Postage/Shipping				
Supplies/Materials ⁴				
Travel ⁵				
Indirect Costs				
Total Operating Expenses	\$ -	\$ -	\$ -	\$ -
Total Budget	\$ 16,000.00	\$ 64,000.00	\$ -	\$ -

Supervising Planner Rate

Salary \$50.13

Benefits \$30.57

Total \$80.70

Associate Planner Rate

Salary \$37.17

Benefits \$25.32

Total \$62.49

Assistant Planner Rate

Salary \$27.55

Benefits \$18.46

Total \$46.01

¹ Attach an explanation of rate(s) and hours for each position for which funds are being requested.

² Amount requested for benefits not to exceed 40% of amount requested for salary or wage.

³ All subcontractors must be selected pursuant to a competitive bidding process that seeks at least three (3) bids from responsible bidders.

⁴ Include a list of the major supplies and materials and how much they cost.

⁵ Travel reimbursement rates are the same as similarly situated state employees.

⁶ Indirect costs include, for example, a pro rata share of rent, utilities, and salaries for certain positions indirectly supporting the proposed project but not directly staffing it.

- 4. A RESOLUTION (S) FROM THE APPLICANT'S GOVERNING BODY.** A separate resolution is required for each of the grant programs (see sample Resolutions in [Attachment A](#) (Coastal Commission) and [Attachment B](#) (OPC)). Please submit a resolution that contains the following authorizations: 1) authority to submit the proposal, 2) authority to enter into a grant agreement if the grant is awarded, and 3) designation of the applicant's authorized representative (name and title). For the OPC LCP SLR grant program, a resolution from the applicant's governing body (i.e. City Council, Board of Supervisors, Port Commission) committing to submit to the Commission an amendment to update the LCP (or other plan as applicable) to address sea-level rise is required as part of the application.

SUPPLEMENTAL FORM A – COASTAL COMMISSION LCP GRANT PROGRAM

Adopted Priorities and Criteria

In addition to the project description required in part I of the application materials, provide a clear, detailed description of how the project addresses each of the Coastal Commission LCP grant adopted priorities and criteria, listed below. Please limit to five pages.

1. Public Benefit/Significance

- Please describe the extent to which the proposed LCP planning project will: (1) address issues of statewide significance and (2) maximize public benefits of the coast. These benefits can include: preserving and enhancing coastal habitat, protecting, providing and enhancing public access, protecting priority land uses such as agriculture, coastal dependent development or recreation, Smart Growth and sustainable development initiatives, protecting and providing lower cost visitor and recreational opportunities, and addressing climate change and sea-level rise. Provisions for citizen participation must be a part of the work program.

2. Relative Need for LCP Update/Extent of Update

- Describe the need for the proposal. For example, when was the LCP last updated in whole or in part? Is there an urgency related to the specific planning issues to be addressed? What is the scope of the effort? Please identify the specific elements of the LCP that you are targeting to be updated. Is it targeted to a particular geographic or policy area or to the entire jurisdiction? Does the LCP need to be reformatted or reorganized to improve the clarity and utility of the document and how it relates to other planning documents? Describe how the proposed planning project will be effective in conserving and protecting coastal resources, and how the proposed project builds upon or complements existing efforts that may be underway or completed for your jurisdiction.

3. Addressing the Effects of Climate Change

- Please describe how the proposed project addresses the effects of climate change, including sea-level rise and other coastal hazards. How will it address shoreline protection, planned retreat and redevelopment of existing shoreline and blufftop development? How will it address other issue areas affected by climate change, such as changes in habitat, fire hazards, and transportation and land use policies to facilitate reductions in greenhouse gas emissions and vehicle miles travelled?

4. Likelihood of Success/Effectiveness

- Please describe the planning process, steps or mechanisms for coordination with the Coastal Commission staff and the public, and how this grant would advance that process. Please describe the factors that will contribute to the success and effectiveness of your project. Consider the following questions in your response:
 - i. What steps or measures are proposed to help ensure that this effort will be successfully completed and implemented? If your jurisdiction is not yet certified, please explain the factors that make the success of this planning effort more likely. Similarly, if your jurisdiction previously received LCP grant funds, explain the factors that make the success of this planning effort more likely.
 - ii. What is the level of support for the project? Please describe or include information that shows support for the project such as resolutions of intent and endorsement for the proposed work, matching funds or other complementary efforts.
 - iii. Is LCP or related planning work already underway? How will this grant support and further that effort?

5. Workload and Permit Streamlining

- Describe how this project may contribute to a more efficient and streamlined permitting and post-certification process.

6. Project Integration/Leverage/Matching Funds

- Please describe how this grant application will contribute to efficient use of informational resources, and any existing resources. What other grant funds have been committed or applied for? Are any matching funds or significant in-kind resources available? What other planning work (such as through the Ocean Protection Council, Coastal Conservancy or the Strategic Growth Council) is being undertaken that could help further the LCP effort? If other resources are limited or unavailable, describe the hardship circumstances that may warrant waiver of these considerations.

Questions

Coastal Commission staff can assist local governments during preparation of LCP grant applications. Please send questions on the Coastal Commission grant application process to **Hilary Papendick, Statewide LCP Grant Coordinator, via email at LCPGrantProgram@coastal.ca.gov, or by phone at (415) 904-5294.** Questions regarding the LCP process and update approach should be directed to the relevant Coastal Commission district contact person, via phone or email. LCP Grant contacts for the district offices are listed below.

LCP Grant District Contact Information

North Coast (Del Norte, Humboldt, Mendocino Counties)

- Jim Baskin, Supervising Coastal Planner, LCP Planning, Email: Jim.Baskin@coastal.ca.gov, Phone: (707) 826-8950
- Bob Merrill, District Manager, Email: Bob.Merrill@coastal.ca.gov, Phone: (707) 826-8950

North Central Coast (Sonoma, Marin, San Francisco, San Mateo Counties)

- Jeannine Manna, District Supervisor, Email: Jeannine.Manna@coastal.ca.gov, Phone: (415) 904-5250
- Nancy Cave, District Manager, Email: Nancy.Cave@coastal.ca.gov, Phone: (415) 904-5290

Central Coast (Santa Cruz, Monterey, San Luis Obispo Counties)

- Kevin Kahn, Supervising Coastal Planner, LCP Planning, Email: Kevin.Kahn@coastal.ca.gov, Phone: (831) 427-4863
- Madeline Cavalieri, District Manager, Email: Madeline.Cavalieri@coastal.ca.gov, Phone: (831) 427-4863

South Central Coast (Santa Barbara and Ventura Counties, and the Malibu portion of Los Angeles Counties)

- Barbara Carey, Planning Supervisor, Email: Barbara.Carey@coastal.ca.gov, Phone: (805) 585-1800
- Steve Hudson, District Manager, Email: Steve.Hudson@coastal.ca.gov, Phone: (805) 585-1800

South Coast (Los Angeles (except Malibu) and Orange Counties)

- Chuck Posner, Supervising Coastal Planner, LCP Planning, Email: Chuck.Posner@coastal.ca.gov, Phone: (562) 590-5071
- Karl Schwing, LCP Program Manager, Email: Karl.Schwing@coastal.ca.gov, Phone: (562) 590-5071
- Teresa Henry, District Manager, Email: Teresa.Henry@coastal.ca.gov, Phone: (562) 590-5071

San Diego (San Diego County)

- Gabriel Buhr, LCP Program Manager, Email: Gabriel.Buhr@coastal.ca.gov, Phone: (619) 767-2370
- Deborah Lee, District Manager, Email: Deborah.Lee@coastal.ca.gov, Phone: (619) 767-2370

Alternate Contact

- Liz Fuchs, Manager, Statewide Planning, Email: Elizabeth.Fuchs@coastal.ca.gov, Phone: (415) 904-5287

ATTACHMENT A

Project Description

County of Santa Barbara Coastal Hazard Local Coastal Program Amendment

County of Santa Barbara (County) Planning and Development Department staff has received grant funding from the State Coastal Conservancy's Climate Ready Grant Program for a Santa Barbara County Coastal Resiliency Project, based on the Coastal Resilience Ventura project.¹ The Santa Barbara County Coastal Resiliency Project comprises two phases: Phase I includes Coastal Hazard Modeling and a Vulnerability Assessment, and Phase II includes the Coastal Hazard Adaptation Plan and Local Coastal Program (LCP) amendment. The County's main focus for applying to the LCP Planning Grant Program is to seek funding for resources to help County staff develop LCP amendments to address the steps needed to adapt or to manage potential changes to the coastline from coastal hazards. Moreover, the funding will help further develop the coastal resiliency project interactive decision support system for the entire County, including incorporated and unincorporated areas.

Goals and Objectives

The goal of the County's LCP Planning Grant application is to update the County LCP, specifically the Coastal Land Use Plan and future Community Plan efforts, to include proposed new policies and enhanced existing LCP policies to address impacts from coastal hazards. Additionally, the County's Coastal Zoning Ordinance would be updated to include development and land use regulations in a proposed Coastal Hazard Overlay Zone to guide the form and intensity of new and remodeled projects to moderate coastal hazard risks. The objectives listed below would help complete the goal of County's LCP Planning Grant application:

1. New and enhanced existing coastal hazard policies – Work with community stakeholders to develop new and enhance existing coastal hazard policies and adaptation strategies using improved information on coastal hazards and vulnerabilities that also integrates social, ecological, and economic considerations when addressing these hazards (FY 2015-16);
2. LCP Certification - Seek certification from the Coastal Commission for the LCP amendments (FY 2016-17); and
3. Incorporate Amendments into County LCP - Amend the County LCP to incorporate the new and enhance existing coastal hazard policies, adaptation strategies, and regulations (FY 2016-17).

Project Approach

The LCP amendment would update the County's LCP, specifically the Coastal Land Use Plan and future Community Plan efforts, to include the proposed new policies and enhanced existing LCP policies to address impacts from coastal hazards.

Task 1. County staff will develop a community engagement process that includes a project website, media outreach and news releases, social media outlets, identification of key stakeholders, and community outreach meetings and stakeholder workshops. Stakeholder engagement is a crucial piece that will contribute to identifying adaptation strategies and provide input on new and enhance existing LCP policies. In addition to UCSB and the incorporated Cities in Santa Barbara County, potential stakeholder groups include: Caltrans, Southern Pacific Railroad, California State Parks, Santa Barbara

¹ <http://coastalresilience.org>

County Association of Governments, California Coastal Conservancy, local Chambers of Commerce, Environmental Defense Center, Heal the Ocean, Surfrider, Citizens Planning Association, Urban Creeks Council, Santa Barbara Channel Keeper, and BEACON.

Task 2. County staff and stakeholders will review the Coastal Hazard Vulnerability Assessment to identify future areas of concerns and discuss new and enhance existing coastal development and adaptation policies that integrate social, ecological and economic considerations to address coastal hazards. Potential policies and regulations County Planning and Development staff will consider incorporating in the LCP update include: restricting development in high risk areas; conditioning development on improved coastal construction standards, identifying bluff erosion setbacks; identifying areas appropriate for managed retreat as implemented through rolling easements; protection, restoration, and enhancement of coastal resources; and maintaining public access to beaches and the coastline including coastal trails. These new and enhanced existing policies would be consistent with the California Coastal Commission's Sea-Level Rise Policy Guidance, NOAA's Coastal Zone Management Program, the State of California's Sea Level Rise Guidance Document, the California Climate Adaptation Strategy, and the Resolution of the California Ocean Protection Council on Sea-Level Rise. The Santa Barbara County Coastal Zoning Ordinance would be updated to include development and land use regulations in a proposed Coastal Hazard Overlay Zone to guide the form and intensity of new and remodeled projects to moderate coastal hazard risks. Lastly, the Coastal Resiliency Project would build upon the County's Multi-Jurisdictional Hazard Mitigation Plan updated for FEMA and Cal EMA in 2011.

Amendments to the LCP and Coastal Zoning Ordinance will undergo environmental review and the findings and new and enhanced existing policies would be presented to decision makers in public hearings, allowing for further public input. These decision makers include the Montecito Planning Commission, County Planning Commission and the Board of Supervisors.

Task 3. After decision maker hearings, County staff will submit the LCP Amendment to the California Coastal Commission (CCC) for certification. Once the County's LCP Amendment has been certified by the CCC, County staff will present the Certified LCP Amendment to the Board of Supervisors for final acceptance. Lastly, County staff will incorporate the LCP Amendments into the Coastal Land Use Plan, Coastal Zoning Ordinance and any current and future Community Planning efforts.

Public Benefit and Significance

Santa Barbara County includes a variety of estuary, creek mouth, and blufftop communities, examples include: Gaviota, Isla Vista, Goleta, Montecito, Summerland, and Carpinteria. There is also critical infrastructure along the County's coastline including: underground gas storage facilities in Ellwood and Gaviota, the Union Pacific Railroad, U.S. Highway 101, State Highway 1, and County roadways. With its wastewater and critical airport infrastructure, the Goleta Slough is the focus of an ongoing vulnerability study (to be completed in summer 2014) funded by the Coastal Conservancy; however, the County's coastal zone contains many other economic and recreational activities as well, including: Guadalupe Dunes, Gaviota Coast, and County Park facilities that offer recreational beaches, piers, picnic areas, coastal access parking, buildings, and restaurants.

Funding from the grant will help County staff better evaluate future coastal hazard impacts and update existing LCP policies using improved information from science, and the Phase I modeling of multiple

coastal inundation scenarios that project future changes to the shoreline, beaches, bluff erosion, and coastal flooding associated with these hazards and vulnerabilities (accomplished through the Climate Ready project funded by the Coastal Conservancy). An interactive decision support system will be further developed in Phase II as part of the Adaptation Plan (County will be applying for Climate Ready Grant Program funding later this summer). Planners and decision makers could identify a suite of solutions from the database of existing and potential coastal hazard planning tools described in the Adaptation Plan that best address their risk reduction needs without compromising the benefits that nature provides. Additionally, using the support system, planners and decision makers would be able to evaluate how wetlands, reefs, and other natural buffers can fit into shoreline defenses.

The County's Coastal Resiliency Project can also provide lessons learned and expertise to other regions engaged in various stages of coastal hazards adaptation planning. The data and results will be easily shared by coordinating with the Cities of Carpinteria, Santa Barbara, and Goleta, as well as UCSB, Vandenberg Air Force Base, and other interested parties. By example, this collaboration will show other coastal communities how to utilize natural solutions and smart development to reduce risks to disaster and climate change-related coastal hazard events. The project team will ensure that final products are available on the California Climate Change portal website, including the Cal-Adapt website.

Relative Need for LCP Update/Extent of Update

The County's Local Coastal Program (LCP) was certified in 1981 and has been updated since then but the updates have not addressed coastal hazards. The County's LCP includes some policies that address bluff and beach erosion, geologic hazards (including wave impacts from extreme weather events), salt water intrusion, and flooding; however, SLR and inundation are not currently addressed in the County's LCP. Funding from the Grant Program will help County staff better evaluate future coastal hazard impacts and identify new and enhance existing coastal development and adaptation policies using improved information from science and modeling of these hazards and vulnerabilities. These policies will integrate the social, ecological, and economic considerations described above when addressing these hazards. These policies would be incorporated into County's LCP by amending the Coastal Land Use Plan, Coastal Zoning Ordinance, and any current and future Community Planning efforts.

The County LCP will not need reformatting or reorganization. The Coastal Hazard LCP Amendment will build upon Phase I coastal hazard modeling and development of a vulnerability assessment currently underway for the Santa Barbara County Coastal Resiliency Project.

Addressing the Effects of Climate Change

There is significant evidence that California has already felt the effects from climate change. California should continue to expect increased temperatures, SLR, reduced winter snowpack, altered precipitation patterns, and more frequent storm events.² The social, economic, and environmental impacts of future climate change could easily overwhelm County financial and staffing resources without a plan in place to adapt to climate change. Since 2009, the County Planning and Development

² California Emergency Management Agency and California Natural Resources Agency. *California Adaptation Planning Guide*. July 2012

Department staff has embarked on a Climate Action Strategy that involves three phases: Climate Action Study (completed 2009), Energy and Climate Action Plan (currently undergoing environmental review process, proposed to be completed in December 2014), and a proposed Climate Change Adaptation Plan (CCAP), to be included in a future Planning and Development Department's Annual Work Program. The overall goal of this CCAP is to identify and plan for mitigation to potential hazards and issues from climate change impacts. Increasing the County's coastal resilience to disaster and climate change-related coastal hazard events (such as SLR, storm surge, and frequent flooding) is a key element of the CCAP. County Planning and Development staff have identified the need for improved scientific modeling of coastal hazards and projected impacts to vulnerable infrastructure.

In the County, "gray" or traditional hard engineering coastal hazard adaptation strategies are often utilized in development projects. These "gray" adaptation strategies include the building of sea defenses such as sea walls, rock armoring, and groynes to hold back the ocean, reduce processes of erosion, and to capture sediment. These approaches can be effective, but they can also be expensive and replace natural systems which provide additional benefits to fisheries, tourism revenues, and recreation. County Planning and Development Department staff would use coastal hazard adaptation strategies and policies identified in the Coastal Hazard LCP Amendment to analyze natural systems, such as dunes, coastal wetland habitats, and nearshore and offshore reefs, as well as their relative vulnerability to coastal hazards and natural ability to protect against these threats. Coastal wetlands capture moving sediment and can reduce the speed and height of floods. Nearshore and offshore reefs act as breakwaters and help generate rock and sand to build beaches. Dune systems buffer surrounding areas by dampening the power and force of waves. By protecting dune systems, coastal wetland habitats, and reefs, County could utilize these natural systems as cost-effective nature-based, or "green" alternatives, to "gray" infrastructure. These "green" coastal hazard adaptation strategies and policy direction can provide effective barriers to storm events that can be intensified by SLR. Using "green" adaptation strategies and policy direction can prevent further destruction of existing ecosystems, restore degraded environmentally sensitive habitat areas, and create new public coastal access and coastal recreational opportunities. "Green" adaptation strategies and policy direction can also allow for the natural migration and realignment of coastlines to meet changes in sea level and water flows.

Likelihood of Success/Effectiveness

Amendments to the LCP and Coastal Zoning Ordinance would be presented to County decision makers (Montecito Planning Commission, County Planning Commission, and Board of Supervisors) in public hearings, allowing for further public input. Additional steps in the LCP and Coastal Zoning Ordinance amendments would involve the Board of Supervisors' adoption of the County LCP Amendments and Coastal Commission certification.

County Planning and Development and Coastal Commission staff currently meet bimonthly to coordinate and discuss upcoming projects within the County's Coastal Zone. Discussion regarding the County Coastal Resiliency Project will be included as topics in these bimonthly meetings.

If this grant is awarded, it would build upon Phase I work currently underway for the Santa Barbara Coastal Resiliency Project (Coastal Hazard Modeling and Vulnerability Assessment). The Phase I work was funded by the State Coastal Conservancy's Climate Ready Grant Program in the amount of \$200,000 with a 25% County match of \$50,000. The County is applying the LCP SLR Adaptation Grant

Program for additional grant funding for north coast coastal hazard modeling to complete Phase I. The County also plans to apply to the Coastal Conservancy's Climate Ready Grant Program for Phase II adaptation planning funding.

The Planning and Development staff would include this proposed project in the Planning and Development Department's 2015-16 and 2016-17 Work Programs and the Planning and Development Department's FY 2015-16 and FY 2016-17 budgets. Planning and Development staff would request a 25% cash match of \$16,000 for this project from the general fund, to be spread over two fiscal years (FY 2015-16 and FY 2016-17). The County's cash match would be used to fund Planning and Development Department staff time.

Workload and Permit Streamlining

The Santa Barbara County Coastal Resiliency Project includes an interactive mapping application that will allow planners, decision makers, and stakeholders to analyze social, economic, and ecological conditions and their relative vulnerability to coastal hazards. This web mapping tool can simplify complex relationships through a visual spatial display to convey a specific ecological or social concept, or compare different future SLR and storm surge condition scenarios. These maps will be helpful to illustrate the coastal habitats' relative vulnerability to coastal hazards and to help illustrate the coastal habitats' natural ability to protect human communities. The mapping application can help identify where marshes may have the highest potential to reduce risk to people and property, allowing them to examine different conservation and restoration scenarios. These maps will identify the potential economic damage of future SLR and floods based on the present-day economic landscape. Adequate information on the risks of coastal hazards, the community's vulnerability to them, economic exposure, potential loss of coastal infrastructure from storms and SLR, and environmental conditions are important data for planners, decision makers, and stakeholders to consider when making land use decisions.

Project Integration, Leverage, and Matching Funds

County of Santa Barbara has received funding from the California State Coastal Conservancy's Climate Ready Grant Program for completion of Phase I of the County Coastal Resiliency Project in the amount of \$200,000. The Nature Conservancy (TNC) has also pledged at least \$22,000 worth of staff support and infrastructure for coastal hazard GIS modeling, the web mapper/decision support tool, and web mapping applications to support planning, outreach, and education tasks. The County Board of Supervisors has approved \$50,000 cash for Phase I of the County Coastal Resiliency Project.

To update and amend the County's LCP, County's Planning and Development Department is requesting \$64,000 for this project for the Local Coastal Program Planning Grant Program application. The Planning and Development Department would request a 25% cash match of \$16,000 for this project from the County General Fund for the Planning and Development Department's FY 2015-16 and FY 2016-17 budgets.

ATTACHMENT B

Work Program, Budget, and Schedule

Attachment B LCP Planning Grant County of Santa Barbara Coastal Hazard LCP Amendment					
Task	Subtask	Description	Cost	Total Costs	Completion Date
1	1.1	Identify Community Stakeholders	\$500	\$3,500	Dec-15
	1.2	Hold Initial and Follow-up Workshops to develop new and enhance existing coastal hazard polcies and adaptation strategies	\$3,000		
2	2.1	Review existing coastal hazard policies and adaptation strategies database	\$2,000	\$58,000	Jul-16
	2.2	Update LCP with new and enhance existing coastal hazard polcies and adaptation strategies	\$20,000		
	2.3	Environmental Review*	\$20,000		
	2.4	Present Coastal Hazards LCP Amendment to the Planning Commission	\$9,000		
	2.5	Present Coastal Hazards LCP Amendment to the Board of Supervisors	\$7,000		
3	3.1	Submit Coastal Hazards LCP Amendment to Coastal Commission Staff	\$3,000	\$18,500	Jun-17
	3.2	Coordination with Coastal Commission staff prior to Coastal Commission Hearing**	\$5,500		
	3.3	Present Coastal Commission Recommendations for the Coastal Hazard LCP Amendment to the Board of Supervisors for Approval	\$7,000		
	3.4	Incorporate Adopted Coastal Hazard Amendments in the County LCP	\$3,000		
Project Funding Summary					
Tasks Funded by Grant				\$64,000	
Tasks Funded by County General Fund				\$16,000	
Project Total				\$80,000	

* Task partially funded by County General Fund

** Task Partially Funded by Grant

Signed Resolution

**RESOLUTION OF THE BOARD OF SUPERVISORS
COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA**

IN THE MATTER OF AUTHORIZING THE)	
DIRECTOR OF PLANNING AND)	
DEVELOPMENT TO EXECUTE ALL)	
NECESSARY CONTRACTS AND)	
AGREEMENTS FOR GRANT FUNDING)	RESOLUTION NO. <u>14-157</u>
FROM THE LOCAL COASTAL PROGRAM)	
PLANNING ASSISTANCE GRANT PROGRAM)	
AND EXECUTE PROJECT RELATED)	
AGREEMENTS FOR A COASTAL HAZARD)	
ADAPTATION PLAN AND LOCAL COASTAL)	
PROGRAM AMENDMENT)	

WHEREAS, the California State Budget Act of 2013 provides an appropriation of \$1 million for Coastal Commission grants in FY 14-15 to local governments to support Local Coastal Program planning; and

WHEREAS, the California Coastal Commission, under the authority of the California Coastal Act, may provide financial assistance to support coastal planning and has approved a competitive grant program to provide such financial assistance for Local Coastal Program planning; and

WHEREAS, the goal of the grant program is to develop new or updated Local Coastal Programs in conformance with the California Coastal Act and to reflect current circumstances and new scientific information, including new understandings and concern for the effects of climate change; and

WHEREAS, grant proposals submitted under this grant program must complete land use plan and/or zoning work to either achieve submittal for certification of a Local Coastal Program or an Area of Deferred Certification or of a Local Coastal Program Amendment to significantly update a certified Local Coastal Program or Local Coastal Program segments, including with special emphasis on effects of climate change and sea-level rise; and

WHEREAS, the County of Santa Barbara has a certified Local Coastal Program; and

WHEREAS, the County of Santa Barbara, recognizing the problems and issues associated with climate change, desires to pursue a project that would result in the completion and submittal for certification by the California Coastal Commission of an Amendment to update the Local Coastal Program in part; and

WHEREAS, a Local Coastal Program Amendment would further policies in the Santa Barbara County Local Coastal Program that address sea-level rise and coastal hazards; and

WHEREAS, the County of Santa Barbara commits to and agrees to fully support a planning effort intended to update a certified Local Coastal Program pursuant to the provisions of the California Coastal Act, with full public participation and coordination with the Coastal Commission staff.

NOW, THEREFORE, IT IS HEREBY RESOLVED, that the County of Santa Barbara Board of Supervisors:

1. Approves the submittal of the grant application package to the California Coastal Commission to provide financial and planning assistance, under authority of the California Coastal Act, in the amount of \$64,000 to fund the project more particularly described in the grant application package.
2. Authorizes the Director of the Planning and Development Department, to execute, in the name of the County of Santa Barbara, all necessary applications, contracts and agreements and amendments thereto for the completion of the grant application package for the aforementioned project.

PASSED, APPROVED, AND ADOPTED this 1st day of July, 2014 by the following vote:

AYES: Supervisor Carbajal, Supervisor Wolf, and Supervisor Farr

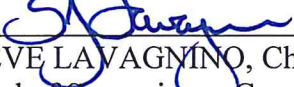
NOES: Supervisor Adam, and Supervisor Lavagnino

ABSENT: None

ABSTENTIONS: None

ATTEST: None

ACCEPTED AND AGREED
COUNTY OF SANTA BARBARA

By: 
STEVE LAVAGNINO, Chair
Board of Supervisors, County of Santa Barbara

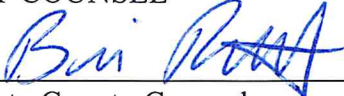
APPROVED AS TO FORM:
ROBERT W. GEIS, CPA
COUNTY AUDITOR-CONTROLLER

By: 
Deputy Auditor-Controller

MONA MIYASATO, COUNTY EXECUTIVE
OFFICER
CLERK OF THE BOARD





By: 
Deputy Clerk

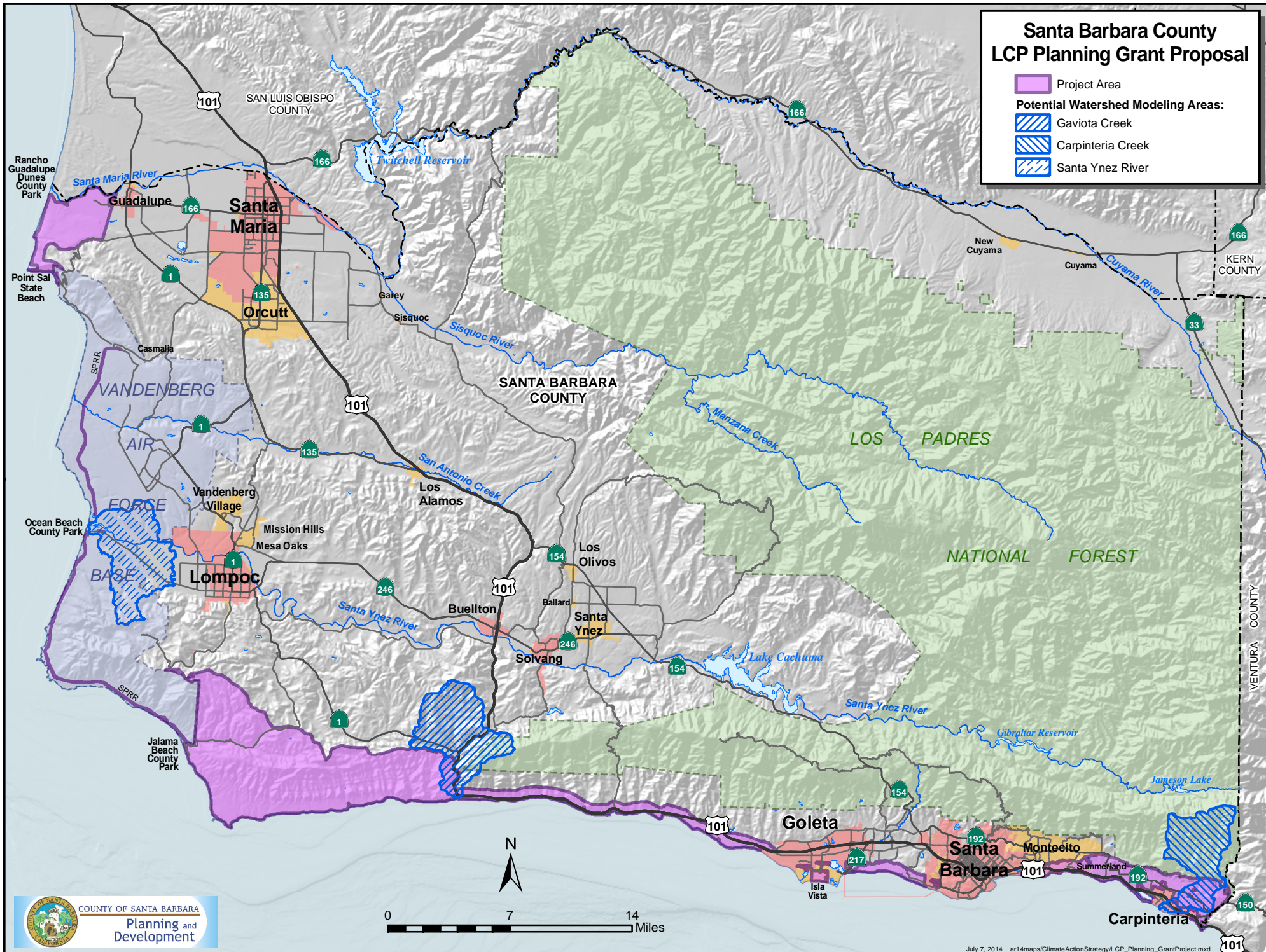
APPROVED AS TO FORM:
MICHAEL C. GHIZZONI
COUNTY COUNSEL

By: 
Deputy County Counsel

Project Area Map

Santa Barbara County LCP Planning Grant Proposal

-  Project Area
- Potential Watershed Modeling Areas:**
 -  Gaviota Creek
 -  Carpinteria Creek
 -  Santa Ynez River



COUNTY OF SANTA BARBARA
Planning and
Development